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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,867	12/03/2004	Matti Liikamaa	P16361-US1	2413
27045	7590	02/24/2006	EXAMINER	
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR C11 PLANO, TX 75024			NGUYEN, HUNG THANH	
			ART UNIT	PAPER NUMBER
			2841	

DATE MAILED: 02/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/516,867	Applicant(s) LIIKAMAA ET AL.	
	Examiner HUNG T. NGUYEN	Art Unit 2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) 22 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 12-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>12/3/04</u> . | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2841



DETAILED ACTION
Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 12-18, 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Getter (US 4,872,102).

Regard claim 12, 18, 21: Getter's device is considered as a filter because the chassis is used to electrically and mechanically filter the interference signals, to protect internal circuit from electrical static and mishandling.

Getter discloses in figures 1-6, a chassis (14, 26) including the cover (26) for electrical and mechanical shielding wherein the cover (26) comprises a printed circuit board (52) of electrically interconnected layers for applying an electrical pattern structure and for providing a common ground for said printed circuit board (52) and said chassis (14, 26), and coupling means (18, 88, 90) for simultaneous mounting and electrically interconnecting said chassis (14, 26) and one (52) or more circuit boards (52 top, 52 bottom).

Regard claim 13: Getter discloses in figures 1-6, the arrangement wherein the coupling means are pegs (outer portion of element 70, use to hold and to separate circuits).

Regard claim 14, 15: Getter discloses in figures 1-6, the arrangement wherein

Art Unit: 2841

said pegs (explain in claim 13) are separate objects that are mounted in the cavity bottom (pegs are used to separate 52 and mounted in cavity bottom, see figure 6).

Regard claim 16, 17: Getter discloses in figures 1-6, the chassis (explain in claim 1) and printed circuit boards (explain in claim 1) are contacted by an inductive coupling (chassis and boards are contacted by inductive coupling due to magnetic field generate by coil).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Getter (US 4,872,102).

Regard claim 19, 20: Getter discloses all elements of the arrangement as described above with respect to claim 1 except, Getter does not disclose a shielding cover consists of a framework with crossbars for shielding of certain functions on one of the circuit boards.

However, it is old and well known for one ordinary skill in the art to make crossbar to reduce interference as seen in many electrical devices. Therefore, it

Art Unit: 2841

would have been obvious for one ordinary skill in the art at the time of the invention to make crossbars for the benefit of preventing interference signals.

Relevant Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Visser (US 5,841,634) teaches the liquid cooled with heat sink, Gammon (US 5,847,938) teaches the shield with housing, Verma (US 5,872,332) teaches the metal shield for EMI, Matsuzaki (US 6,011,700) teaches the shielding case, Kobayashi et al. (US 6,407,925) teaches the casing for electronic control.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG T. NGUYEN whose telephone number is 571-272-5983. The examiner can normally be reached on 8:00AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KAMMIE CUNEO can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

HN

HUNG THANH NGUYEN

1/23/2006



Kammie
Cuneo
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